MAD SCIENTIST 2017
Visualizing Multi Domain Battle in 2030-2050

Agenda Day 1: Tuesday, 25 July 2017

0800-0845   **Registration**

0845-0850   **Admin Remarks:** Lee Grubbs, TRADOC

0850-0900   **Welcoming Remarks:** Mr. David Maxwell, Associate Director of the Center for Security Studies, Georgetown University

0900-1000   **Multi-Domain Battle:** General David Perkins, Commanding General TRADOC

1000-1030   **Science Fiction Contest Winner:** Patrolling in the Infosphere: Mr. Mathison Hall, Senior Analyst, The John Hopkins University Applied Physics Lab

1030-1045   **Break**

1045-1115   **Blurred Lines and Super-Empowered Individuals*: Is National Security Still Possible in 2040? :* ** Dr. David Bray, Director, Office of Ventures and Innovation, NGA

1115-1200   **Panel: Visualizing the Future of War 2030 – 2050:**
Dr. David Bray, Office of Ventures and Innovation, NGA
Mr. James "Hondo" Geurts, Acquisition Executive, USSOCOM,
Mr. Mathison Hall, The John Hopkins University Applied Physics Lab
Dr. Anthony Vinci, Director Plans and Programs, NGA.

1200-1300   **Lunch,** *Senior Officer Working Lunch with Mr. Geurts will run parallel*

1300-1315   **Smart Installations Supporting the Future Force:** Mr. Richard Kidd, Deputy Assistant Secretary of the Army (IE&E), Strategic Integration

1315-1415   **Smart Cities and the Future:** Dr. Sokwoo Rhee, Associate Director of Cyber-Physical Systems Program, National Institute of Standards and Technology

1415-1430   **Break**

1430-1530   **IoT, Automation, Autonomy, and Megacities 2025:** Mr. Michael Assante, Director Industrials & Infrastructure, CSIS

1530-1630   **Sensors on Everything:** Ms. Grace Simrall, Chief of Civic Innovation for the City of Louisville, KY

1630-1640   **Closing Remarks:** MG Robert Dyess, Deputy Director, ARCIC

Agenda Day 2: Wednesday, 26 July 2017

0845-0900   **Welcome Remarks**: LTG Sean MacFarland, TRADOC Deputy Commanding General

0900-1000   **Multi-Domain Dragoon Squad:** Mr. Jeffrey Becker, President and Principal Analyst, ContextLLC

1000-1100   **Commanding in Multi-Domain Formations: Vision 2050 Warfighter Cyber-Security, Command, and Control Architecture:** Mr. Radhika Roy, Electronics Engineer, U.S. Army CERDEC

1100-1200   **Neurotechnology in National Security and Defense:** Dr. James Giordano, Chief of Neuroethics Program, Georgetown University

1200-1300   **Lunch**

1300-1415   **Panel: Ethics and the Future of War:**
Moderator: LTG (Ret) Jim Dubik
Panel Members: Jimmy Zhang and Rachael Greene,
Georgetown University Strategic Studies Program Students,
Dr. Jesse Kirkpatrick, Institute for Philosophy and Public Policy,
George Mason University,
Professor Linda MacDonald Glenn, Institute for Ethics and Emerging Technologies

1415-1515   **AI and Autonomy in Future War:** Dr. Jesse Kirkpatrick, Institute for Philosophy and Public Policy, George Mason University

1515-1615   **Ethics and Law around the Co-Evolution of Humans and AI:** Professor Linda MacDonald Glenn, Institute for Ethics and Emerging Technologies

1615-1630   **Closing Remarks:** Mr. Thomas Greco, TRACOD DCS, G-2